

Progress of MicroBooNE Detector GDML

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Detector components and initial GDML status

Engineering CAD from Bo Yu

Data extraction methods

Actual GDML progress

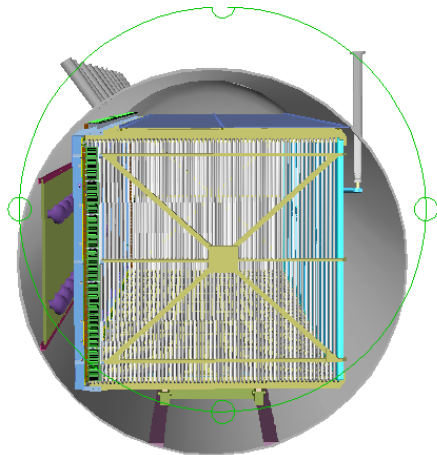
Detector components and initial GDML status

Cryostat	Basic shape defined, need wire entries and end caps
Planes	Wires defined, need frame
Cathode Plane	Space defined, need material
High Voltage Plane	Not defined
PMTs and PMT Rack	Defined by Ben Jones
Electronics	Not defined
Supports	Not defined

Engineering design from Bo Yu

- Contains all component sizes and material information
- Tried opening with Mac DWG viewers, but no success
- Required significant time installing software (virtual machine, Windows trial, AutoCAD trial)
- Using AutoCAD Information read out was *slow!*
- Discovered AutoDesk Design Review, process has sped up,
- but still requires manually measuring each component

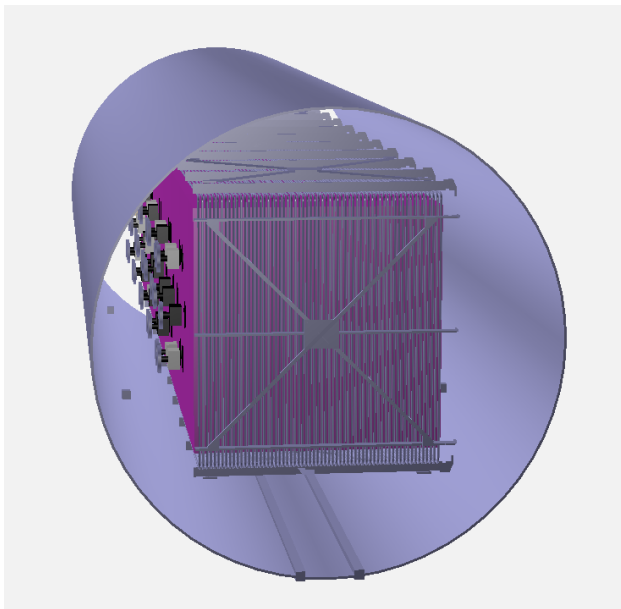
Engineering design from Bo Yu



Progress Summary

Cryostat	Corrected measurements and defined wire outlets (not placed yet)
Planes	Defined holding brackets, but need more work
Cathode Plane	Defined holding brackets
High Voltage Plane	Defined holding brackets
PMTs and PMT Rack	Need placement
Electronics	Defined shape/geometry
Supports	Defined shape

Progress Summary



Progress Summary

